

09/582558  
436 Rec'd PCT/PTO 29 JUN 2000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

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Inventor(s): Hiroaki SUDO et al.

Application No.: New Patent Application  
Based on PCT/JP99/06188

Filed: June 29, 2000

For: APPARATUS AND METHOD FOR  
TRANSMISSION/RECEPTION

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents  
Washington, DC 20231

Sir:

Pursuant to Rules 56 and 99, Applicants hereby call the attention of the Patent Office to the references listed on the attached Form PTO 1449. The EP '709; JP '900; EP '064; the IEEE Transactions on Communications article; and the CS74-158 IEICE communication method research group document references were cited in a PCT International Search Report (copy attached).

Applicants present this art so that the Patent Office may, in the first instance, determine any relevancy thereof to the presently claimed invention, see Beckman Instruments, Inc. v. Chemtronics, Inc., 439 F.2d 1369, 1380, 165 USPQ 355, 364 (5th Cir. 1970). Also see Patent Office Rules 104 and 106.

Applicants respectfully request that this art be expressly

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considered during the prosecution of this application and made of  
record herein and appear among the "References Cited" on any  
patent to issue herefrom.

Respectfully submitted,

Date: June 29, 2000

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JEL/lmq

ATTORNEY DOCKET NO. JEL 31206 PCT

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FORM PTO-1449 U.S. Department of Commerce  
(Rev. 4/92) Patent and Trademark Office

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Use several sheets if necessary)

ATTY. DOCKET NO.  
**JEL 31206 PCT**

SERIAL NO. **09/582558**  
New PCT Application

APPLICANT  
**Hiroaki SUDO et al.**

FILING DATE  
**June 29, 2000**

GROUP  
**Unassigned**

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
CO	0 5 8 9 7 0 9	3-1994	EP				
CO	10 2 4 7 9 0 0	9-1998	JP			partial	
CO	0 7 3 8 0 6 4	10-1996	EP				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

CO	PCT International Search Report dated February 8, 2000.
CO	T. Tsubaki et al., "OFDM Subcarrier Information Aided ARQ for Wireless ATM," Technical Report of IEICE, A-P97-129, RCS97-144 (1997-10), pp. 111-118 (in Japanese with abstract in English thereof).
CO	K. Miyauchi et al., "New Technique for Generating and Detecting Multilevel Signal Formats," IEEE Transactions on Communications, Vol. 24, No. 2, February 1976, pp. 263-367 (in English).
CO	CS74-158: Communication method research group document by IEICE (Japan), January 29, 1975, "A method of digital communications by multilevel and multivalued signals," pp. 57-64 (in Japanese with partial English translation).

EXAMINER *Curtis Adams*

DATE CONSIDERED *2/10/04*

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.